

GeDiPNet Cluster 521 -- Enriched GO Terms (Biological Process)

GO term enrichment: Biological Process terms (gene2go, human/tax_id=9606 only), upper-tail hypergeometric test, fold enrichment = (overlap / cluster gene count) / (term gene count / universe size), Benjamini-Hochberg FDR-corrected. Top 15 terms per cluster by q-value. See scripts/build_cluster_go_enrichment.php on gedipnet.bicnirrh.res.in. Data as of: 2026-10-20 03:23:14. · Rows: 11 · Generated: 2026-10-20 00:01:40

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
tetrahydrobiopterin biosynthetic process	GO:0006729	2	PTS, SPR	8	4	1167.94	9.618e-7	8.326e-5
tyrosine biosynthetic process	GO:0006571	1	PAH	1	4	4671.75	2.141e-4	5.314e-3
tyrosine biosynthetic process, by oxidation of phenylalanine	GO:0019293	1	PAH	2	4	2335.88	4.281e-4	8.531e-3
tetrahydrobiopterin metabolic process	GO:0046146	1	PTS	4	4	1167.94	8.560e-4	1.331e-2
catecholamine biosynthetic process	GO:0042423	1	PAH	6	4	778.63	1.284e-3	1.669e-2
L-phenylalanine catabolic process	GO:0006559	1	PAH	8	4	583.97	1.711e-3	1.958e-2
aromatic amino acid metabolic process	GO:0009072	1	PAH	10	4	467.18	2.139e-3	2.189e-2
nitric oxide biosynthetic process	GO:0006809	1	SPR	23	4	203.12	4.915e-3	3.307e-2
amino acid biosynthetic process	GO:0008652	1	PAH	27	4	173.03	5.767e-3	3.561e-2
amino acid metabolic process	GO:0006520	1	PTS	37	4	126.26	7.897e-3	4.160e-2
central nervous system development	GO:0007417	1	PTS	158	4	29.57	3.340e-2	8.552e-2